* The program execution is done by running the ***aprioriProgram.py*** using Python 3

>python3 aprioriSubmit.py

The total number of frequent itemsets are printed from 1 to n, uptil 0 n-frequent itemsets are generated.

The total number of frequent itemsets are generated.

The association rules are generated are printed.

Association rules will print in the following format.

G59\_Up--------->G72\_Up

G72\_Up--------->G59\_Up

G59\_Up--------->G96\_Down

G96\_Down--------->G59

The total number of association rules is printed as follows.

The total number of rules generated are 4

>Enter your query: “*query to be entered here”*

To run for any query enter queries in the following for Template 1

**(result11, cnt) = asso\_rule.template1("xxx", "yyy", [‘zzz’,’zzz’ ])**

Replace xxx with RULE, BODY or HEAD.

Replace yyy with NONE, ANY or 1.

Replace zzz with any gene expression.

To run for any query enter queries in the following for Template 2

**(result21, cnt) = asso\_rule.template2("xxx", K)**

Replace xxx with RULE, BODY or HEAD.

Replace K with 1, 2, 3...n. Here n can be any integer.

To run for any query enter queries in the following for Template 3

**(result31, cnt) = asso\_rule.template3("abc", "xxx", "yyy", ['zzz'], "xxx", yyy, ['zzz'])**

Replace abc with 1or1, 1or2, 2or1, 2or2, 1and1, 1and2, 2and1 and 2and2.

Replace xxx with RULE, BODY or HEAD.

Replace yyy with NONE, ANY or 1.

Replace zzz with any gene expression.